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# Multipole connectors T-Type insulating enclosures



### general features

# "T-Type" insulating enclosures

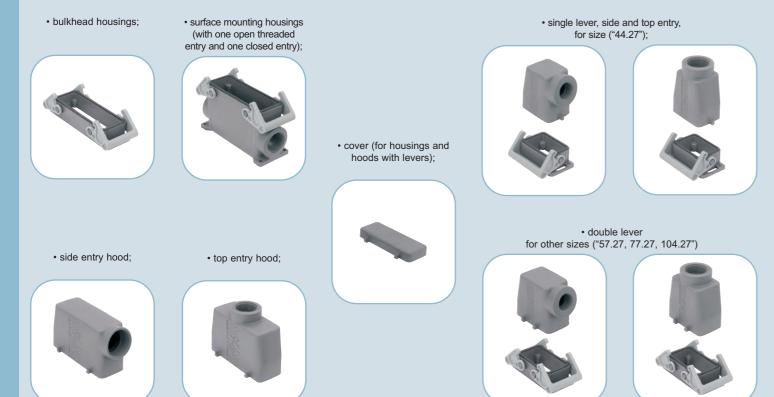
Alongside the wide range of traditional metal enclosures for ILME multipole connectors, there is now available a **new series of enclosures in self-extinguishing thermoplastic material** in the most common sizes of "44.27", "57.27", "77.27" and "104.27".

Quality and low cost are the main features of these enclosures, as an outcome of careful product studies.

- Valuable characteristics of these new enclosures:
- structurally solid and mechanically robust, due to their increased thickness;
   resistance to the main chemical agents, found in industrial environments (see tab. page 3);
- pre-fastened gaskets for easier installation;
- external dimensions of the bulkhead-mount housings are similar to those of the corresponding metal housings; hole fixing centres are unchanged;
- wide **space inside enclosures for cables**, with mounted connectors, similar to their corresponding metal version high construction enclosures;
- the possibility with their use to create total insulation constructions (equivalent to class II) [];
- the surface mounting, high construction housings are supplied with an open threaded entry and diametrically opposite a closed threaded entry, which can be opened by the user, if required (with suitable tool);
- absence of powder paint for environments in which these are not recommended;

- non-electrostatic thermoplastic material.

- manufactured from insulating material, they **do not require a special reinforced insulation** as metal ones do, for use with series **CME** higher voltage connector inserts (screw-type terminals);
- degree of protection for coupled connectors is IP65 according to norm IEC/EN 60529;
   UL Type 12 (= NEMA 12) degree of protection according to American standards ANSI/UL
- 50 and UL 50E for indoor use;
- each enclosure carries its own part number and conformity markings;
- ambient temperature limits -40 °C / +90 °C.



All used materials conform with the RoHS 2002/95/EC Directive and all further modifications.

# New "T-Type" series insulating enclosures

### 1. Construction

Using the BC-MUL<sup>®</sup> moulding technique and use of MIL.BOX<sup>®</sup> material, these enclosures are structurally solid and mechanically robust, due to their increased thickness. They are particularly resistant to the main pollutants present in industrial environments. The lever enclosure pegs are built into the enclosures.

The method for fastening the connectors to the enclosures are made up of M3 threaded metal inserts. With reference to metal construction, which to comply with electrical installation safety norms, must be earthed via a metal connection to the grounding terminal 
o of the inserts inside the enclosure, the new series of enclosures offers a solution for total insulation constructions (equivalent to class II) 
where necessary. The thermoplastic material used is RAL 7012 dark grey colour and UL 94V-2 grade self-

extinguishing. It has passed glow wire testing in accordance with the IEC (EN) 60695-2-11 at 650 °C in compliance with intended uses.

### 2. Gaskets

Gaskets have been produced by means of the FIPFG technology (Formed-In-Place-Foam-Gasket).

They have therefore been incorporated in the base flange on bulkhead housings for easier installation.

### 3. Levers

The locking levers have been produced in self-extinguishable thermoplastic material coloured grey RAL 7001.

### 4. Dimensions

The internal dimensions allow mounting of all connector inserts in their relevant sizes. The external dimensions of the bulkhead-mount housings are similar to those of the corresponding metal housings; hole fixing centres are unchanged.

Hoods offer an inner cabling space similar to that of the "high" construction models of the corresponding metal hoods. Other characteristics are in compliance with the applicable safety standard for electrical connectors, **IEC/EN 61984.** 

### 5. Cable entries

The housings and hoods cable entries are available with metric thread, respectively:

• M25 or M32 for smaller sizes "44.27" and "57.27".

• M32 or M40 for larger sizes "77.27" and "104.27".

The surface mounting, high construction housings are supplied with an open threaded entry and diametrically opposite a closed threaded entry which can be opened by the user if required (with suitable tool).

Recent norm **IEC/EN 61076-7-100** regarding metric cable entries for multipole electrical connectors for heavy duty uses, which standardises some main dimensions for entries and their related accessories (gaskets, pressure nuts), have been carefully considered in the product design.

### 6. Marking

These enclosures carry CE marking as they are accessories for electrical connectors with rated operating voltage within the scope of the **2006/95/EC Low Voltage Directive**.

Each enclosure carries its own part number and conformity markings.

### Interchangeability with other ILME series

TCH series housings can be coupled with metal hoods; insulating hoods

can be coupled with "V-Type" metal housings.

The hood "57.27", "77.27" and "104.27" can be mounted on **COB TCQ** and **COB BC** frames simply by replacing the supplied levers with **COB L** levers (to be purchased in addition).

Insulating enclosures are ideal for mounting of all ILME inserts with the exception of series models CT 40/ 64 and CTS 40/ 64 connector. Inserts with 45° terminals of the CTE series (screw-type terminals) and CTSE (spring terminals) are <u>only insertable from the front</u> (therefore not from the back) of the bulkhead housing. Being made by insulating material, they do not require a special reinforced insulation as metal ones do, for use with series CME higher voltage connector inserts (screw-type terminals).

With the exception of the limitations described below, it is generally possible to mount the MIXO series modular connectors and frames with the ground and screen anchors dedicated to this series.

### Limitations

With respect to enclosures in metal alloy, ILME insulating enclosures have some limitations of use in combination with particular accessories:

- CRZ 06/ 10/ 16/ 24 reduction plates cannot be mounted with TCHI bulkhead housings due to increased dimensions of the fastening flange of these enclosures.
- The CYG 16 in-line joint cannot be mounted on the TCHI 16 bulkhead housing because the gaskets of the latter do not fit together with the joint profile.
- The CYR 16.3 and CYR 24.4 round cable feed-throughs are difficult to position on their respective TCHI 16 and TCHI 24 bulkhead housings.
   CPT 24 disposable protection cover cannot be mounted on enclosures due to increased outer dimensions of these enclosures.
- MIXO series insert anchors cannot be mounted on TMAO 06/ 10 enclosures.

CN insert anchors cannot be mounted on TMAO 06/ 10 enclosures.

on insert anonors cannot be mounted on TwiAO 00/ To enclosures.

• When using both cable entries of surface mounting housings, the conduit shall be of insulating type

## resistance to chemical agents<sup>1</sup>

Ammonium acetate	•	Cyclo-
Vinegar	Х	Potas
Acetone (propanone)	х	Sodiu
Fatty acids	•	Active
Boric acid	•	Ammo
Boric acid, 10% aqueous solution	•	Calciu
Citric acid 50% aqueous solution	Х	Calciu
Hydrochloric acid, <2% aqueous solution	Х	Calciu
Lactic acid	•	Ferric
Muriatic acid, concentrated	Х	Potass
Oleic acid	•	Sodiur
Oxalic acid	•	Creso
Sulphuric acid, 2% aqueous solution	Х	Deca-
Stearic acid	•	Potass
Succinic acid (butanedioic acid)	•	Di-exy
Tartaric acid	•	Di-isor
Water	•	Sulphi
Boric water	•	Di-opt
Sea water	•	Eptha
Aqua regia (1:3 nitric acid: hydrochloric acid)	Х	Hexan
Amyl alcohol	0	Turper
White alcohol (isopropanol + ethanol)	0	Ethan
Ethyl alcohol	•	Petrol
Isopropyl alcohol	0	Diluteo
Methyl alcohol, diluted 50%	0	Forma
Alum	•	Ammo
Aqueous amid	•	Sodiur
Gaseous ammonia	0	Diesel
Ammonia, liquid	Х	Gypsu
Ammonia, 10% aqueous solution	•	Glycer
Aniline	0	Diluteo
Mothballs (naphthalene, paradichlorobenzene)	0	Ethyle
Asphalt	0	Dilute
Benzene	х	Diluteo
Normal (low octane) gasoline (petrol)	0	Hydro
Petroleum spirit (dry cleaning)	0	Sodiur
Sodium bicarbonate (oxide)		Sodiur
Beer		Ink
Sodium disulphate, aqueous solution	•	Potas
Borax	0	Sodiur
Butane, gas	0	Mercu
Butane, liquid	0	Metha
Ammonium carbonate		Napht
Potassium carbonate		N-Buta
Sodium carbonate (washing soda)		Ammo
Tar	0	Calciu
Potassium cyanide, aqueous solution	•	Potas

O = limited resistance

	0
Cyclo-hexane	
Potassium chlorate	•
Sodium chlorate	•
Active chlorine	<u> </u>
Ammonium chloride	•
Calcium chloride, diluted suspension	
Calcium chloride	•
Calcium chloride, 10% aqueous solution	•
Ferric chloride, 10% aqueous solution	<u>X</u>
Potassium chloride	•
Sodium chloride (kitchen salt)	
Cresol	0
Deca-hydro-naphtalene	<u>X</u>
Potassium di-chromate	0
Di-exyl Phtalate	•
Di-isononyl Phtalate	•
Sulphur dioxide (sulphurous anhydride)	0
Di-optyl Phtalate	•
Epthane	0
Hexane	0
Turpentine essence	<u>X</u>
Ethanol (ethyl alcohol)	<u>X</u>
Petrol ether	0
Diluted Phenol	0
Formalin (formaldehyde 40% aqueous solution	
Ammonium phosphate	•
Sodium phosphate	•
Diesel Oil	0
Gypsum (see calcium sulphate)	•
Glycerine	•
Diluted Glycerine	•
Ethylene-glycol or propylene-glycol	•
	•
Diluted Glycol	
Diluted Glucose	•
Diluted Glucose Hydrogen sulphide	0
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda)	X
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia)	
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink	X 0
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide	
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide Sodium Hypochlorite	X 0
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide Sodium Hypochlorite Mercury	x 0 0 x x
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide Sodium Hypochlorite Mercury Methanol (methyl alcohol)	X O O X X
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide Sodium Hypochlorite Mercury Methanol (methyl alcohol) Naphthalene	x 0 0 x x
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide Sodium Hypochlorite Mercury Methanol (methyl alcohol) Naphthalene N-Butanol (butyl alcohol)	X O O X X
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide Sodium Hypochlorite Mercury Methanol (methyl alcohol) Naphthalene N-Butanol (butyl alcohol) Ammonium nitrate	X O O X X
Diluted Glucose Hydrogen sulphide Sodium hydroxide (caustic soda) Sodium hydroxide 12,5% (liscivia) Ink Potassium iodide Sodium Hypochlorite Mercury Methanol (methyl alcohol) Naphthalene N-Butanol (butyl alcohol)	X O O X X

Sodium nitrate	•
Sodium nitrite	0
Fuel oils	0
Mineral oils (un-tasteful)	
Lubricating engine oil	0
Mineral based oil	
Grinding oil	0
Cutting oil	0
Linseed oil	
Paraffin oil	•
Silicon oil IRM oil 901, 20 °C	
IRM oil 902, 20 °C	0
IRM oil 903, 20 °C	0
Lubricating oil	
Transformer oil (dielectric)	•
Vegetal oil	0
Octane	
Ozone Sodium perborate	<u> </u>
· · · · · · · · · · · · · · · · · · ·	0
Potassium persulphate	
Petroleum	x
Caustic potash (potassium hydroxide) 10%	<u> </u>
Gaseous propane	
Kitchen salt, aqueous solution Tallow	•
Sodium silicate	•
Ammonium sulphate	•
Calcium sulphate	
Potassium sulphate	0
Copper sulphate 10% aqueous solution	
Sodium sulphate	•
Sodium sulphate	•
Cresolic solution	0
Solution for photographic processing	
Soap solution	0
Fruit juices	
Sodium Thiosulphate (photographic fixer)	
Toluene	x
Trichloroethylene	<u> </u>
Trichresyl phosphate	
Diluted urea	
Urine	
Xylene	x
Sulphur	
Suprior	

= resistant

X = not resistant

<sup>1</sup> The classification herewith provided is only a generic reference guidance in order to enable a first selection. It is based on literature data provided by the suppliers of the raw materials used, which are related to tests made on specimens under test conditions which are not always homogeneous and involving accelerating techniques, therefore not necessarily describing real operational conditions. The actual behaviour of products in the field may therefore be positively or negatively influenced by several variable environmental parameters like temperature, relative humidity, presence at the same time of a plurality of substances and their concentration, exposure time, dynamic or static application condition, and so on. The accuracy of transferring the indications given herein to the actual conditions of use is therefore merely indicative and does not imply any guarantee or responsibility by ILME.

TC - TM enclosures	size "44.27	7" insulating version
inserts:       page         CDD	housings with single lever	hoods with 2 pegs
description	part No. entry M	part No. entry M
bulkhead mounting housings, with lever in thermoplastic material	TCHI 06 L	
surface mounting housings, with lever in thermoplastic material surface mounting housings, with lever in thermoplastic material	TMAP 06 L25         25           TMAP 06 L32         32	
hoods with pegs, side entry hoods with pegs, side entry		TMAO 06 L25 25 TMAO 06 L32 32
hoods with pegs, top entry hoods with pegs, top entry		TMAV 06 L25 25 TMAV 06 L32 32
covers with pegs		TCHC 06 L
panel cut-out for bulkhead mounting housings in mm ( I = 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0 + 0	dimensions in mm TCHI 06 L $\overrightarrow{15}$ $\overrightarrow{15}$ $\overrightarrow{16}$	dimensions in mm TMAO 06 L25 and TMAO 06 L32 $\overrightarrow{12}$ $\overrightarrow{14}$ $\overrightarrow{14}$ $\overrightarrow{14}$ $\overrightarrow{14}$ $\overrightarrow{14}$ $\overrightarrow{17}$ $\overrightarrow{14}$ $\overrightarrow{17}$ $\overrightarrow{14}$ $\overrightarrow{17}$ $17$

TC - TM enclosures	size "57.27	7" insulating version
inserts:       page         CDD       42       poles $+ \oplus 55^{**}$ CQE       18       poles $+ \oplus 75^{**}$ CN       10       poles $+ \oplus 81^{**}$ CCE       10       poles $+ \oplus 88^{**}$ CNE, CSE       10       poles $+ \oplus 100^{**}$ CTE, CTSE *)       10       poles $+ \oplus 100^{**}$ CMSE       3+2 (aux)       poles $+ \oplus 114^{**}$ CMCE       3+2 (aux)       poles $+ \oplus 114^{**}$ CME       3+2 (aux)       poles $+ \oplus 115^{**}$ CX       8/24       poles $+ \oplus 137^{*}151^{**}$ CSH       10       poles $+ \oplus 6^{***}$ insert centre distance:       57 x 27 mm	housings with double lever	hoods with 4 pegs
description	part No. entry M	part No. entry M
bulkhead mounting housings, with lever in thermoplastic material	ТСНІ 10	
surface mounting housings, with lever in thermoplastic material surface mounting housings, with lever in thermoplastic material	TMAP 10.25 25 TMAP 10.32 32	
hoods with pegs, side entry hoods with pegs, side entry		TMAO 10.25 25 TMAO 10.32 32
hoods with pegs, top entry hoods with pegs, top entry		TMAV 10.25 25 TMAV 10.32 32
covers with pegs		TCHC 10
	dimensions in mm	dimensions in mm
panel cut-out for bulkhead mounting housings in mm	TCHI 10 $\downarrow$ 113 $\downarrow$ 58 $\downarrow$ 27 $\downarrow$ 96 $\downarrow$ 46,5+	TMAO 10.25 and TMAO 10.32 72 $74$ $74$ $74$ $74$ $74$ $74$ $74$
$\begin{array}{c} & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ \end{array}$	TMAP 10.25 and TMAP 10.32	TMAV 10.25 and TMAV 10.32 $\downarrow \downarrow $
*) only for housing TCHI ** refer to catalogue page CN.07 *** refer to catalogue page CSH	The surface mounting, high construction housings are supplied with an open threaded entry and diametrical- ly opposite a closed threaded entry, which can be ope- ned by the user, if required (with suitable tool).	TCHC 10 $\downarrow$ $\downarrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\uparrow$ $\downarrow$ $\uparrow$ $\uparrow$ $\downarrow$ $\downarrow$ $\uparrow$ $\uparrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\uparrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\uparrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\uparrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\uparrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$ $\downarrow$

TC - TM enclosures	size "77.2"	7" insulating version
inserts:       page         CD       40       poles + $\oplus$ 43**         CDD       72       poles + $\oplus$ 56**         CQE       32       poles + $\oplus$ 76**         CQE       16       poles + $\oplus$ 82**         CCE       16       poles + $\oplus$ 90**         CNE, CSE       16       poles + $\oplus$ 91**         CSS       16       poles + $\oplus$ 10**         CTE, CTSE *)       16       poles + $\oplus$ 10**         CMSE       6+2 (aux)       poles + $\oplus$ 116**         CME       6+2 (aux)       poles + $\oplus$ 117**         CP       6/36 and 12/2       poles + $\oplus$ 130+131**         CX       6/36 and 12/2       poles + $\oplus$ 132**         MIXO       4       modules       137+151**         CSH       16       poles + $\oplus$ 7****         insert centre distance:       77,5 x 27 mm       ***	housings with double lever	hoods with 4 pegs
description	part No. entry M	part No. entry M
bulkhead mounting housings, with lever in thermoplastic material	TCHI 16	
surface mounting housings, with lever in thermoplastic material surface mounting housings, with lever in thermoplastic material	TMAP 16.32 32 TMAP 16.40 40	
hoods with pegs, side entry hoods with pegs, side entry		TMAO 16.32 32 TMAO 16.40 40
hoods with pegs, top entry hoods with pegs, top entry		TMAV 16.32 32 TMAV 16.40 40
covers with pegs		ТСНС 16
<image/> <figure><figure><figure></figure></figure></figure>	dimensions in mm TCHI 16 133,5 $133,5$ $1446,5+$ $158$ $1446,5+$ $116TMAP 16.32 and TMAP 16.40133,5$ $1446,5+$ $158$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $133,5$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$ $146$	dimensions in mm TMAO 16.32 and TMAO 16.40 $\overrightarrow{16}$ $\overrightarrow{16}$ $\overrightarrow{16}$ $\overrightarrow{10}$

TC - TM enclosures	size "104.27	7" insulating version
inserts:       page         CD       64       poles + (a) $45^{**}$ CDD       108       poles + (b) $58^{**}$ CQE       46       poles + (b) $77^{**}$ CN       24       poles + (b) $83^{**}$ CCE       24       poles + (b) $92^{**}$ CNE, CSE, CSH       24       poles + (b) $93^{**}$ CSS       10+2 (aux)       poles + (b) $10^{**}$ CME       10+2 (aux)       poles + (b) $118^{**}$ CME       16+2 (aux)       poles + (b) $124^{**}$ CX       4/8       poles + (b) $137^{*+}151^{**}$ CSH       16       poles + (b) $8^{***$	housings with double lever	hoods with 4 pegs
description	part No. entry M	part No. entry M
bulkhead mounting housings, with lever in thermoplastic material surface mounting housings, with lever in thermoplastic material surface mounting housings, with lever in thermoplastic material	TCHI 24 TMAP 24.32 32 TMAP 24.40 40	
hoods with pegs, side entry hoods with pegs, side entry	TWAF 24.40 40	TMAO 24.32 32 TMAO 24.40 40
hoods with pegs, top entry hoods with pegs, top entry		TMAV 24.32         32           TMAV 24.40         40
covers with pegs		TCHC 24
panel cut-out for bulkhead mounting housings in mm	TCHI 24	TMAO 24.32 and TMAO 24.40
	TMAP 24.32 and TMAP 24.40	TMAV 24.32 and TMAV 24.40 $\downarrow \qquad \qquad$
*) only for housing TCHI ** refer to catalogue page CN.07 *** refer to catalogue page CSH	The surface mounting, high construction housings are supplied with an open threaded entry and diametrical- ly opposite a closed threaded entry, which can be ope- ned by the user, if required (with suitable tool).	TCHC 24 17.5 17.5 17.5 17.46 123

Notes	>
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### **IMPORTANT NOTES**

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The products in this catalogue cannot guarantee the best functionality on installation, as this depends mainly on their correct "putting into service" which must be performed in compliance with the applicable system safety standards and according to the "rule of the art".

The products shown in this catalogue are deemed to form connections mainly for electrical circuits, therefore they have to be assembled according to the user's best choice for the different applications.

For such choices, as well as for uses of single components and/or for uses with purposes other than those herein declared, I.L.M.E. SpA refuses any liability for the application results and/or for product incorrect use and/or unsuccessful performances.

The connectors must not be connected or disconnected when live or under load.

After wiring the inserts we recommend to verify the protective earth terminals continuity. The connector inserts operation is guaranteed only if mounted by four screws on a rigid plane (provided by hoods/housings).

I.L.M.E. SpA is not responsible for any different application.

The installer must verify and ensure the correct coupling and operation of the protective earth connection.

For all inserts with screw-type terminals it is important that the correct torque is applied to the screws in order to prevent damage to the conductor, the screw or the terminal.

Crimping tools and contacts should be supplied by the same manufacturer.

The termination of spring-clamp connector inserts is guaranteed only when the specified screwdriver is correctly used for actuating the spring (see indication in the specific catalogue and, where applied, on the insert) and the operating principles are followed.

To prevent incorrect coupling please respect the polarity drawing (contacts side view) when two similar inserts are mounted in double-sized hood or housing. To avoid coupling mismatch we recommend the use of coding pins when two or more similar connectors are mounted close together.

The complete connectors (enclosures and inserts) guarantee the IP degree of protection when coupled and locked with their closing levers. In order to ensure the same degree of protection provided by the connector housings, the cable glands or other accessories used to close cable outlets must also have at least an equivalent IP degree of protection.

In order to prevent stress on the contacts, the connectors must be coupled and uncoupled in the axial direction with respect to the contacts, without bending and pulling the attached conductor bundles or cables.

ILME connectors, inserts and enclosures are generally compatible with similar/equivalent products from other manufacturers, according to the last samples we tested.

The full interchangeability cannot be granted by ILME as we cannot be considered responsible for technical changes made by other manufacturers.

In particular, ILME cannot guaranteed the full performances of our IP68 enclosures (Series CG) if coupled with other manufacturers' products.

I.L.M.E. SpA takes no responsibility in verifying whether the components herein contained comply with the specific regulations of fields of application.

# **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Standard Circular Connector category:

Click to view products by ILME manufacturer:

Other Similar products are found below :

 C015 10F006 001 1
 5M2530B10P
 600247N007
 600259N006
 600273N007
 600432N009
 6280-2PG-519
 6280-3PG-311
 6280-3SG-311

 6280-7SG-3DC
 6280-7SG-522
 6282-5PG-311
 6282-6PG-519
 6282-8SG-311
 6283-15
 6290
 6293
 6382-2PG-311
 6382-2PG-3DC

 6382-2SG-321
 6382-2SG-3DC
 6382-4SG-516
 67-03E20-37P
 681-PMG
 CXS3102A14S2P
 CXS3102A181S
 CXS3106A14S6S

 D38999/20FC8SA L/C
 MB12P-1
 MB12R-6
 7251-2PG-300
 7251-2SG-300
 7251-4PG-300
 7251-5PG-300
 7251-5SG-300

 7251-6SG-300
 7251-7PG-300
 7271-6SG-300
 7282-3PG-300-CH3
 73000005663
 75-190011-03P
 75-190216-08S
 75-190218 

 10P
 75-214636-52P
 75-474118-10P
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